

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/522,171  
Source: PCT  
Date Processed by STIC: 2-2-05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 02/02/2005

PATENT APPLICATION: US/10/522,171

TIME: 15:24:59

Input Set : A:\sequence.txt

Output Set: N:\CRF4\02022005\J522171.raw

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3 <110> APPLICANT: Nuevolution A/S
5 <120> TITLE OF INVENTION: Gene shuffling by template switching
7 <130> FILE REFERENCE: P897PC00
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/522,171
C--> 10 <141> CURRENT FILING DATE: 2005-01-24
12 <160> NUMBER OF SEQ ID NOS: 54
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 80
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Synthetic construct
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27 atggcagtag tcacgcgcatc                                                    80
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32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
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39 gcttacagga cttatatggc agtagtcacg gcacg                                                    35
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43 <211> LENGTH: 80
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Synthetic construct
50 <400> SEQUENCE: 3
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53 atggcagtag tcacgcgcatc                                                    80
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 80
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Synthetic construct
64 <400> SEQUENCE: 4
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67 atggcagtag tcacgcgcatc                                                    80
70 <210> SEQ ID NO: 5

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73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Synthetic construct
78 <400> SEQUENCE: 5
79 taatacgact cactatag                                     18
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 20
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Synthetic construct
90 <400> SEQUENCE: 6
91 gtctgatcga ccagcatggg                                   20
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 36
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Synthetic construct
102 <400> SEQUENCE: 7
103 taatacgact cactatagga cctcgatcga tcgac               36
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 18
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic construct
114 <400> SEQUENCE: 8
115 gatgcgatga ctactgcc                                   18
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 81
120 <212> TYPE: RNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: synthetic construct
126 <400> SEQUENCE: 9
127 ggaccucgau cgaucgaucc uuagcccua uauuuagcua auccgaaugg gcaggacuua 60
129 uauggcagua gucaucgc au c                               81
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133 <211> LENGTH: 81
134 <212> TYPE: RNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: synthetic construct
140 <400> SEQUENCE: 10
141 ggaccucgau cgaucgaucc uuagcccua uauuuagcua accagcgcuu acaggacuua 60
143 uauggcagua gucaucgc au c                               81

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Input Set : A:\sequence.txt

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151 <220> FEATURE:
152 <223> OTHER INFORMATION: synthetic construct
154 <400> SEQUENCE: 11
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157 uauggcagua gucaucgcau c      81
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161 <211> LENGTH: 81
162 <212> TYPE: RNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: synthetic construct
168 <400> SEQUENCE: 12
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174 <210> SEQ ID NO: 13
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176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Synthetic construct
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183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (1)..(6)
185 <223> OTHER INFORMATION: LNA oligo
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189 aaggat      6
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194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
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198 <223> OTHER INFORMATION: Synthetic construct
200 <220> FEATURE:
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202 <222> LOCATION: (1)..(6)
203 <223> OTHER INFORMATION: LNA oligo
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211 <211> LENGTH: 6
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthetic construct
218 <220> FEATURE:

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219 <221> NAME/KEY: misc\_feature  
 220 <222> LOCATION: (1)..(6)  
 221 <223> OTHER INFORMATION: LNA oligo  
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 230 <212> TYPE: DNA  
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 233 <220> FEATURE:  
 234 <223> OTHER INFORMATION: Synthetic construct  
 236 <220> FEATURE:  
 237 <221> NAME/KEY: misc\_feature  
 238 <222> LOCATION: (1)..(6)  
 239 <223> OTHER INFORMATION: LNA oligo  
 242 <400> SEQUENCE: 16  
 243 ctaaag  
 246 <210> SEQ ID NO: 17  
 247 <211> LENGTH: 6  
 248 <212> TYPE: DNA  
 249 <213> ORGANISM: Artificial Sequence  
 251 <220> FEATURE:  
 252 <223> OTHER INFORMATION: Synthetic construct  
 254 <220> FEATURE:  
 255 <221> NAME/KEY: misc\_feature  
 256 <222> LOCATION: (1)..(6)  
 257 <223> OTHER INFORMATION: LNA oligo  
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 261 gctaaa  
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 265 <211> LENGTH: 6  
 266 <212> TYPE: DNA  
 267 <213> ORGANISM: Artificial Sequence  
 269 <220> FEATURE:  
 270 <223> OTHER INFORMATION: Synthetic construct  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: misc\_feature  
 274 <222> LOCATION: (1)..(6)  
 275 <223> OTHER INFORMATION: LNA oligo  
 278 <400> SEQUENCE: 18  
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 284 <212> TYPE: DNA  
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 287 <220> FEATURE:  
 288 <223> OTHER INFORMATION: Synthetic construct  
 290 <220> FEATURE:  
 291 <221> NAME/KEY: misc\_feature

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293 <223> OTHER INFORMATION: LNA oligo
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297 gggcta 6
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302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
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308 <220> FEATURE:
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311 <223> OTHER INFORMATION: LNA oligo
314 <400> SEQUENCE: 20
315 agggct 6
318 <210> SEQ ID NO: 21
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320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
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326 <220> FEATURE:
327 <221> NAME/KEY: misc_feature
328 <222> LOCATION: (1)..(6)
329 <223> OTHER INFORMATION: LNA oligo
332 <400> SEQUENCE: 21
333 tagggc 6
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337 <211> LENGTH: 6
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346 <222> LOCATION: (1)..(6)
347 <223> OTHER INFORMATION: LNA oligo
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351 ataggg 6
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363 <221> NAME/KEY: misc_feature
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/522,171

DATE: 02/02/2005

TIME: 15:25:00

Input Set : A:\sequence.txt

Output Set: N:\CRF4\02022005\J522171.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date